

Title (en)
OIL CABLE PUMPING PLANT

Publication
EP 0269513 A3 19890719 (EN)

Application
EP 87402600 A 19871118

Priority
NO 864662 A 19861121

Abstract (en)
[origin: EP0269513A2] In a pumping plant for oil filled power cables an air driven piston type pump (20) is used as primary pump. A PLS (26) is used to control the oil flow to the cable(s) (4). Improvements of the pump includes means for ensuring that the pump piston is operated also at low pressure and flow, and means for sealing off the piston rod to ensure maximum life of seals, to facilitate detection of possible leakages and to avoid contamination of the cable oil.

IPC 1-7
F04B 49/06

IPC 8 full level
F04B 9/105 (2006.01); **F04B 9/113** (2006.01); **F04B 49/06** (2006.01); **H02G 9/02** (2006.01); **H02G 15/26** (2006.01); **H02G 15/28** (2006.01)

CPC (source: EP US)
F04B 49/065 (2013.01 - EP US)

Citation (search report)

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- [A] DE 626794 C 19360303 - BERGMANN ELEKTRICITAET AG
- [A] PATENT ABSTRACTS OF JAPAN, vol. 7, no. 197 (M-239)(1342) 27-08-1983 & JP-A-58 096 190 (MITSUBISHI DENKI K.K.) 08-06-1983

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EP0398209A1

Designated contracting state (EPC)
FR GB IT

DOCDB simple family (publication)
EP 0269513 A2 19880601; **EP 0269513 A3 19890719**; **EP 0269513 B1 19910925**; CA 1316045 C 19930413; JP H0524729 B2 19930408; JP S63310318 A 19881219; NO 160318 B 19881227; NO 160318 C 19890405; NO 864662 D0 19861121; NO 864662 L 19880613; US 4834618 A 19890530

DOCDB simple family (application)
EP 87402600 A 19871118; CA 552297 A 19871120; JP 29388587 A 19871120; NO 864662 A 19861121; US 12373587 A 19871123